

Appl. No. 10/709,028
Amdt. dated December 30, 2004
Reply to Office action of October 06, 2004

LISTING OF THE CLAIMS

1. (original) A cable for a universal serial bus (USB) interface
5 comprising:
a host connection end installed on one end of the cable
comprising two power pins and two signal pins for
connecting to a USB port of a computer;
a data connection end installed on another end of the cable
10 comprising two signal pins connected to the two signal
pins of the host connection end respectively for
connecting to a USB port of a first peripheral device
and providing communication between the first
peripheral device and the computer; and
15 at least one power connection end installed on the same end
of the cable as the data connection end comprising only
two power pins for connecting to a USB port of a second
peripheral device and providing power to the second
peripheral device.
20
2. (original) The cable of claim 1 wherein the communication
protocol of the signal pins conforms to USB 1.1/2.0 standard.
3. (original) The cable of claim 1 wherein the power provided
25 by the power pins conforms to USB 1.1/2.0 standard.
4. (original) The cable of claim 1 wherein the materials of the
cable conform to USB 1.1/2.0 standard.
- 30 5. (original) The cable of claim 1 wherein the first peripheral

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device is a scanner, a printer, or a modem.

- 5 6. (original) The cable of claim 1 wherein the second peripheral device is a light, a charger, or a radiator.
- 10 7. (original) The cable of claim 1 wherein the data connection end further comprises two power pins connected to the two power pins of the host connection end for providing power to the first peripheral device.
8. (original) The cable of claim 7 wherein the first peripheral device is a keyboard, a mouse, or a digital camera.
- 15 9. (original) A connection module for a universal serial bus (USB) interface comprising:
a housing;
a host connection port installed on the housing comprising
20 two power pins and two signal pins for providing connection to a computer;
a data connection port installed on the housing comprising
two signal pins connected to the two signal pins of the host connection port respectively for providing
25 connection to a first peripheral device so that the computer communicates with the first peripheral device;
and
at least one power connection port installed on the housing
comprising only two power pins connected to the two power
pins of the host connection port for providing
30 connection to a second peripheral device so that the

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computer transmits power to the second peripheral device.

5 10. (original) The connection module of claim 9 wherein the data connection port further comprises two power pins connected to the two power pins of the host connection port so that the computer transmits power to the first peripheral device.

10 11. (original) The connection module of claim 9 wherein the first peripheral device is a keyboard, a mouse, or a digital camera.

15 12. (original) The connection module of claim 9 wherein the first peripheral device is a scanner, a printer, or a modem.

20 13. (original) The connection module of claim 9 wherein the second peripheral device is a light, a charger, or a radiator.

14. (original) The connection module of claim 9 wherein the communication protocol of the signal pins conforms to USB 1.1/2.0 standard.

25 15. (original) The connection module of claim 9 wherein the power provided by the power pins conforms to USB 1.1/2.0 standard.